

RAMA DEVI INTERNATIONAL SCHOOL

Sec-16B, Opposite Panchsheel Green-II Greater Noida West

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Holiday's Homework (for all subjects) must be submitted on the very first day when the school reopens.



PREFACE

Dear parents and students,

"As the summer break begins, we encourage you to embrace this time as an opportunity for continued learning and growth. This summer homework is designed to reinforce concepts learned throughout the year and to prepare you for the upcoming academic term. It's a chance to explore new ideas, engage with subjects in different ways, and strengthen your understanding. We encourage you to approach these assignments with enthusiasm and a willingness to learn. Parents, your support and encouragement are invaluable in making this a productive and enjoyable summer. If you have any questions or concerns, please don't hesitate to reach out to your teacher or the school administration.

Wishing everyone a safe, fulfilling, and academically enriching summer vacation."

ENGLISH(301)

The project file may include the following points-

- 1. Cover page, with the title of the project, school details and details of the student
- 2. Certificate of completion under the guidance of the teachers
- 3. Objectives of the topic
- 4. Action Plan for the completion of assigned tasks (steps involved in doing the project) (Index)

5. Word limit- 800-1000

6. If possible, photographs that capture positive learning experience of the students (collages/pictures from various online sources/original)

7. List of Resources/Bibliography (Last page of the project file)

TOPICS

1. Based on the poem 'The Voice of the Rain', write a report on Water Cycle. Include Importance of water, Water harvesting, Saving water for future and Sustainable development. Roll No.(01 - 06)

2. Read the lesson 'Discovering Tut: The Saga Continues.' Compare and contrast Ancient Egyptian Culture with Indus Valley Civilization. Roll No.(07-12)

3.. Read the lesson 'Mother's Day'. Take interview of any 5 mothers of your family/relatives/ neighbourhood with their photographs. . Roll No.(13 -18)

Q.2 Design a poster as an appeal for a conserving water as most parts of India are facing a serious problem and having a been hit by draught.

Q.3 Cut out six clipping of the classified ads under the heads___

1. For sale	2.To let
3.Situation vacant	4. For matrimonial
5.job	6. Pet/Kennels

Q.4 Watch at least three English movies and summarise in your own words. You may look at the following list for ideas:

1. Gandhi 2.Bharat ek khoj

ART INTEGRATED: 1.1.6 Study and Explain the history of Roman alphabet (Scripts) Language and English language. [prepare PPT]

<u>कक्षा 11 विषय हिंदी 002</u>

निर्देशचाहिए। होना हस्तलिखित कार्य का छुट्टी-:

- अपना परियोजना प्रोजेक)्ट ध्यान का बिंदुओं निम्नलिखित समय करते तैयार कार्य (रखे।
- आपके हिंदी विषय अध्यापिका के दवारा आप को सौंपे गए विषय पर एक परियोजना बनाए। (प्रोजेक्ट)
- परियोजना (प्रोजेक्ट) A4 आकार के पृष्ठों से अधिक का नहीं होना चाहिए और इसमें शामिल होना चाहिए।
- कवर पृष्ठ, प्रमाण पत्र पृष्ठ, अनुक्रमणिका सामग्री, परिचय, उप के अनुक्रमणिका विषय– अनुसार, ग्रंथ सूची

- परियोजना के अवकाश के गर्मी और चाहिए आना रखा में फोल्डर एक को (प्रोजेक्ट) चाहिए। जाना लाया में कक्षा बाद
- सभी छात्रों को व्यक्तिगत रूप से इस परियोजना को प्रस्तुत करने के लिए तैयार करना चाहिए।
- .1हिंदी विषय के अध्यायों को भी अच्छी तरह से पढ़े और इनमें से कम से कम करें। तैयार प्रश्न 10
- कला एकीकृत परियोजना [1.1.3.1] :
- अरुणाचल प्रदेश
- स्वीकृति,
- अरुणाचल प्रदेश का इतिहास,
- त्यौहार, पारंपरिक पोशाकें,
- प्रसिद्ध लोसार त्यौहार उत्सव की तस्वीर,
- भौगोलिक स्थिति,
- कुछ तस्वीरें जो अरुणाचल प्रदेश को खूबसूरत बनाती हैं, एक हिल स्टेशन के रूप में,
- अरुणाचल प्रदेश की राजनीतिक स्थिति,
- आर्थिक स्थिति,
- अरुणाचल प्रदेश अर्थव्यवस्था पर एक प्रवाह चार्ट
- ग्रंथ सूची
 - जांच परियोजना कार्य
- .2कविपर जीवन के लेखक/ प्रकाश डालते हुए एक प्रोजेक्ट फाइल तैयार कीजिए।
- परिचय जीवन), कृतियों, सम्मान एवं पुरस्कार समीक्षा की कृति एक भी किसी उनकी (करें।
- जमा करने हेतु दिशानिर्देशः

करें। जमा में हस्तलिखित सुथरे-साफ कार्य कलाएकीकृत और कार्य परियोजना जांच अपनी) कव के सबमिशन प्रत्येकर पेज पर अपना नाम, कक्षा और रोल नंबर शामिल करें।

BUSINESS STUDIES (054)

1) Revise and Learn both the units covered in class

(a) Evolution and Fundamentals of Business.

(b) Forms of Business Organizations,

2) Prepare 20 MCQs from each units on your own and write it in your Notebook.

3) Art Integrated project (1.1.10)

Prepare a Collage on the following topics.

a) Indian MNC's and their CEO's with their Brand names, Brand Mark and Taglines.

b) Non Indian MNC's and their CEOs with their Brand name, Brand Mark and Taglines.

3) Select any one Cooperative society and analyse the following aspects.

- (a) Objective of formation.
- (b)Nature and size of business.
- (c) Number of members.
- (d) Benefits of society to its members.

ACCOUNTANCY(055)

- Prepare a chart showing Accounting Process involved in the Business enterprises.
- Prepare a PPT showing different basic accounting terms relating to business.

Code	Suggested Activities	Topics
1.1.8	• Study and use of various media and techniques to the extent of their availability.	 Prepare a PPT showing different Fixed Assets with their images and explanation also mention sources of their information. Paste some invoice

	relating to buying of
	a product like mobile,
	telephone expenses
	bill amount paid – by
	highlighting GST
	amount.

- Revise and write all the MCQ given at the end of the exercise. (source: T.S Grewal Book).
- Revise and write HOTS question based on Basic accounting terms.

PHYSICAL EDUCATION(048)

- 1. Draw a knock out fixture for 25 teams with all step involved.
- 2. What do you mean by community sports programmes? Explain any three.
- 3. What do you understand by the female athlete triad? Explain the symptoms and it's causes.
- 4. Discuss the physical exercise as corrective measure for kyphosis , lordosis and Scoliosis.
- 5. Explain flat foot and knock me and also suggest for both postural deformities .
- 6. Write SAI khelo fitness test in practical file.

ECONOMICS(030)

General Instruction: Follow the subject wise given instructions and submit the given task the very first day when the school reopens.

Consumers Equilibrium & Demand

Complete the following question and answer in the Economic register. Present your answers as per the weightage of the question.

Q1. Problem of Choice arises both for the consumers and for producers. Do you agree with thestatement?Give reasons.(3)

Q2. Give two examples each of Microeconomics and Macroeconomics. (3)

Q3. A consumer consumes only two goods X and Y and is in equilibrium. Show that when the price of the good X rises, the consumer buys less of good X. Explain using the law of Equi- Marginal Utility. (3)

Q4.Discuss briefly using a hypothetical schedule the relation between marginal utility and total utility. (4)

Q5. Explain the meaning of Budget line. What can cause a change in it? Explain. (4)

Q6. State giving reasons whether the following statements are True or False:

(a) A budget set is the collection of all bundles of goods that a consumer wants to buy.

(b) An indifference curve is convex to the origin because of the operation of the law of diminishing marginal utility.

Q7. When does a consumer buy more quantities of a commodity at a given price? Give three points.

Q8. Explain the law of demand with a hypothetical table and graph. (3)

(II) <u>PROJECT WORK</u>

As per the suggestive list of topics given in the CBSE curriculum, each student has to complete the Economics Project or any one of the chosen topics.

Guidelines for Project Work in Economics (Class XI and XII)

The objectives of the project work are to enable learners to:

- probe deeper into theoretical concepts learnt in classes XI and XII
- analyse and evaluate real world economic scenarios using theoretical constructs and

arguments

- demonstrate the learning of economic theory
- follow up aspects of economics in which learners have interest
- develop the communication skills to argue logically

The <u>expectations</u> of the project work are that:

- learners will complete only ONE project in each academic session
- project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably

hand-written

• it will be an independent, self-directed piece of study

Role of the teacher:

The teacher plays a critical role in developing thinking skills of the learners. A teacher should:

• help each learner select the topic based on recently published extracts from the news

media, government policies, RBI bulletin, NITI Aayog reports, IMF/World Bank reports etc.,

after detailed discussions and deliberations of the topic

• play the role of a facilitator and supervisor to monitor the project work of the learner

through periodic discussions

- guide the research work in terms of sources for the relevant data
- educate learner about plagiarism and the importance of quoting the source of the

information to ensure authenticity of research work

- prepare the learner for the presentation of the project work
- arrange a presentation of the project file

Scope of the project:

Learners may work upon the following lines as a suggested flow chart:

Choose a title/topic Collection of the research material/data Organization of material/data Present material/data Analysing the material/data for conclusion Draw the relevant conclusion Presentation of the Project Work

Expected Checklist:

- Introduction of topic/title
- · Identifying the causes, consequences and/or remedies
- · Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

Mode of presentation/submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner. The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work. In case of any doubt, authenticity should be checked and verified.

Marking Scheme:

Marks are suggested to be given as -

S. No.	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva-voce	8
	Total	20 Marks

Suggestive List of Projects:

	Class XI					
٠	Effect on PPC due to various government policies	Invisible Hand (Adam Smith)				
•	Opportunity Cost as an Economic Tool (taking real life situations)	 Effect of Price Change on a Substitute (taking prices from real life visiting loca market) 	e Good al			
•	Effect on Equilibrium Prices in Local Market (taking real life situation or recent news)	 Effect of Price Change on a Complem Good (taking prices from real life visitin local market) 	entary ng			
•	Solar Energy, a Cost-Effective Comparison with Conventional Energy Sources	 Bumper Production- Boon or Bane for Farmer 	the			
•	Any other newspaper article and its evaluation on basis of economic principles	Any other topic				

Draw the relevant conclusion

Presentation of the Project Work

The project should be of 3500- 4000 words excluding diagrams and graphs, hand- written and it is an individual Project work.

(111)

INTERNSHIP

All students must try to enrol themselves for an internship programme or summer School programme which will allow experiential learning with a realistic approach. The internship can be done in any corporate office/ Shop /NGO which will allow the students to observe the management and financial aspects of the organization. A brief report of 250-300 words to be prepared and presented in the month of July.

Subject: Physics (042)

Art Integration Project(1.1.1)

Hydroelectric power generation in Arunachal Pradesh.

Investigatory Project

1. Deepanshi – Blackbody Radiation: "Study the principles of blackbody radiation. "

2. Vanshika- Pascal Law: "Pascal's Law in Hydraulic Systems"

3. Preeti – Latent Heat:" Investigate the latent heat of fusion or vaporization of water."

4. Kavya – **Thermal Expansion:** "Investigate the thermal expansion of solids, liquids, and gases."

5. Divya - Heat Capacity: "Determine the heat capacity of different materials."

6. Annie – **Center of Gravity:**"Design an experiment to determine the center of gravity of various objects. "

7. Naman - **Newton's Laws of Motion:**" Conduct experiments to verify Newton's laws of motion and calculate acceleration. "

8. Ansh Chauhan – **Simple Pendulum:** "Study the variation of the time period of a simple pendulum with different bob masses. "

9. Ansh Tyagi - **Motion of Projectile** "Investigate the relationship between the angle of projection and the range of a projectile. "

10. Krishna – Archimedes Principle:" Determining the density of various objects using Archimedes' principle."

The project file must contain

Front page

Acknowledgement

Certificate

Aim

Index

Requirements

Theory

Procedure

Observation Table

Result

Bibliography

Thank You page with Science Quote

Working Model

1. Circular motion to linear motion working model.

- 2. Newton's second law working model.
- 3. Earth gravitation working model

Note: These are for reference only you can choose anyone or any other working model according to your convenience. Everyone has to prepare one working model individually.

MATHEMATICS(041)

WORKSHEET 1

Q.1 If U = $\{1,2,3,4,...,10\}$ is the universal set for the sets A = $\{2,3,4,5\}$ and

 $B = \{1, 2, 3, 4, 5, 6\}$, then verify that $(A \cup B)'' = A'' \cap B''$.

Q.2 If A = {1, 2, 3, 4, 5}, B = {1, 3, 5, 8}, C = {2, 5, 7, 8}, verify that A⁻ (B U C) = (A⁻B) \cap (A -C).

Q.3 Which type of set is the set of odd natural numbers divisible by 2?

Q.4 Out of 20 members in a family, 11 like to take tea and 14 like coffee. Assume that each one likes

at least one of two drinks. how many like, only tea and not coffee?

Q.5 Decide, among the following sets are subsets of one and another :

 $A = \{x : x \in R \text{ and } x \text{ satisfy} : x2 - 4x + 3 = 0\}$

B = {1,3},

 $C = \{1,3,5\},\$

D = {4,5,6}.

Q.6 A market research group conducted a survey of 1000 consumers and reported that 720 consumers like product A and 450 consumers like product B. What is the leastnumber that must have liked both products?

Q.7 Let A and B be two finite sets such that n(A - B) = 30, $n(A \cup B) = 180$, $n(A \cap B) = 60$, find n(B).

Q.8 Write the set A = {x : x N and x2 < 25} in roster form.

Q.9 In a survey it was found that 21 people liked product A, 26 liked product B and 29 liked C. If 14 people liked products A and B, 12 people liked products C and A, 14 people liked products B and

C and 8 liked all the three products. Find how many liked

(i) product C only

(ii) product A and C but not product B

(iii) at least one of three products.

Q.10 If $A \times B = \{(p,q), (p,r), (m,q), (m,r)\}$, find A and B.

Q.11 In a survey of 60 people, it was found that 25 people read newspaper H, 26 read newspaper T, 26

read newspaper I, 9 read both H and I,11 read both H and T, 8 read both T and I, 3 read all three

newspapers. Find:

(i) the number of people who read at least one of the newspapers.

(ii) the number of people who read exactly one newspaper.

Q.12 In a committee, 50 people speak French, 20 speak Spanish and 10 speak both Spanish and

French. How many speak at least one of these two languages?

Q.13 In a survey of 600 students in a school, 150 students were found to be taking tea and 225 taking

coffee, 100 were taking both tea and coffee. Find how many students were taking neither tea nor

coffee?

Q.14 If A = {x : x is a prime number x N}, then find Ac

Q.15 If X and Y are two sets such that n(X) = 17, n(Y) = 23 and n(XUY) = 38, find $n(X \cap Y)$.

Q.16 From the sets given below, select equal sets :

A={2,4,8,12}, B={1,2,3,4}, C={4,8,12,14}, D={3,1,4,2}, E={-1,1}, F={0,a},

G={1,-1}, H={0,1}.

Q.17 Show that $A \cap B = A \cap C$ need not imply B = C.

Q.18 Let U = {1,2,3,4,5,6,7,8,9,10} and A = {1,3,5,7,9}. Find A''''.

Q.19 In a town of 840 persons, 450 persons read Hindi, 300 read English and 200 read both. Find the number of persons who read neither.

WORKSHEET -2

Q.1 Let $A = \{1,2\}$ and $B = \{3,4\}$. Write A×B. How many subsets will A×B have? List them.

Q.2 Let A = $\{1,2,3,\dots,14\}$. Define a relation R from A to A by R = $\{(x,y) : 3x-y = 0, where x, y \in A\}$. Write

down its domain, co-domain and range.

Q.3 If n(A) = 3 and n(B) = 3, then find n(A B). (1 mark)

Q.4 Let R be a relation from Q to Q defined by

 $R = \{(a,b):a,b \in Q \text{ and } a-b \in Z\}$. Show that

(a) $(a,a) \in \mathbb{R}$ for all $a \in \mathbb{Q}$

(b) $(a,b) \in R$ implies that $(b,a) \in R$

(c) $(a,b)\in R$ and $(b,c)\in R$ implies that $(a,c)\in R$.

Q.5 Let A = {9, 10, 11, 12, 13} and let f: A \rightarrow N be defined by f(n) = the highest prime factor of n. Find the range of f.

Q.6 Let A = $\{1, 2, 3, 4\}$ and B = $\{10, 12, 13, 14, 20\}$. Whether f: A B defined by f(1) = 10, f(2) = 12, f(3)

= 13 is a function?

Q.7 Find the domain and the range of the real function f defined by f(x) = |x - 1|.

Q.8 Examine the relation : $R=\{(2,1),(3,1),(4,1)\}$ and state whether it is a function or not?

Q.9 A function f is defined by f(x) = 3x-4. Write down the value of f(5) and f(-7).

Q.10 Let A = {1, 2, 6, 8} and let R be a relation on A defined by {(a, b): a, b A, b is exactly divisible by 2

- a) Write R in roster form.
- b) Find the domain of R.
- c) Find the range of R.

Q.11 If f and g are two functions such that f(x) = 5x + 2 and $g(x) = x^2 + 3$, then find f + g and f - g.

- Q.12 A function f is defined by f(x) = 2x 5. Write down the values of
- (i) f(0), (ii) f(7), (iii) f(-3)
- Q.13 Under which condition a relation f from A to B is said to be a function? (1 mark)

Q.14 If A = $\{a1,a2\}$ and B = $\{b1,b2,b3\}$, then write A × B.

CHEMISTRY(043)

Instruction : Following work to be done in notebook.

- Write the few lines of the following terms.
 - Dalton's atomic theory
 - Average atomic mass
 - Molecular mass
 - Formula mass

Art integrated activity (1.1.8)

 Below activity to be done as investigatory project report according to the roll numbers.

a) Checking the bacterial contamination in drinking water by testing sulphide ion.

b) Study of the methods of purification of water.

c) Testing the hardness, presence of Iron, Fluoride, Chloride, etc.,

depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).

d) Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium Carbonate on it.

e) Study the acidity of different samples of tea leaves.

- **f)** Determination of the rate of evaporation of different liquids.
- **g)** Study the effect of acids and bases on the tensile strength of fibers.
- **h)** Study of acidity of fruit and vegetable juices.

Note:

Following content should be covered in the project COVER PAGE: TITLE, ACKNOWLEDGMENT, CERTIFICATE, OVERVIEW, INDEX, DESCRIPTION WITH PHOTOGRAPHS & DIAGRAMS, BIBLIOGRAPHY, THANK YOU PAGE WITH A RELATED SCIENCE QUOTE

Any other investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher

Project (Choose any one project)

- > Make a 3D model or poster on Aufbou principal of election filling .
- > Make a 3D model / poster on different states of matter.

Here are some examples which can help you to make the posters/ 3D models.







Note : revise the syllabus done till date.

Biology(044)

1.Art integration project (1.1.1)

Ansh: project on Bevrages of Arunachal Pradesh

Annie: project on Fruit and vegetables of Arunachal Pradesh

Vanshika: project on Man made forms of Arunachal Pradesh

2. Working model

Create a large 3d model showing how different system(example: circulatory system , respiratory system, nervous system) interact in the human body

3. Investigatory project

Ansh: Different parts of flowering plant

Annie: Classification of plant kingdom

Vanshika: Cell division

HISTORY (027)

Writing in the city life

Culture of Mesopotamia

Library of Mesopotamia

Trade in Mesopotamia

Mathematics and astronomy contribution in Mesopotamia

Art integration.

Roman empire

Label the diagram of Roman empire and its contribution in world in a file

SOCIOLOGY (039)

MCQ-

1. Which one of the following is so important for the society that it's violation cells for severe punishment?

- (a) Customs
- (b) Ideologies
- (c) Mores
- (d) Folkways
- 2. Society is looked upon as-
 - (a) Caste and class
 - (b) Social stratification
 - (c) Simple society
 - (d) System of parts
- 3. Who gave the "looking glass self theory' of socialization?
 - (a) Emile Durkhein
 - (b) Charls cool
 - (c) R.K.Merton
 - (d) Sigmund Freud
- 4. Auguste Comte was a'.....

Sociologist.

- (a) French
- (b) American
- (c) British
- (d) German

5.A system of economic enterprise based on economic exchange is known as

- (a) Capitalism
- (b) Industrialisation
- (c) Modernization
- (d) Westernization

LONG TYPE QUESTIONS:

6. Find out how work is organized in a traditional village, a factory and a call centre.

7. Identify any personal problem that you or your friends or relatives are facing. Attempt a sociological understanding.

- 8. Discuss how there is greater give and take among discipline today .
- 9. Why is the study of the origin and growth of Sociology important.

PROJECT WORK:

10. Project Topic

A STUDY ON EFFECTS OF SOCIAL WORKING

PRESENTATION OF PROJECT WORK:-

Following essentials are required to be fulfilled for its preparation:-

- 1. The total length of the project will be of 25 to 30 pages
- 2. The project should be handwritten.
- 3. The project should be presented in a neat folder.

4. The Project report should be developed in the following sequence:

- Cover page should include the title of the project, Student information, school and year
- List of contents
- Acknowledge and perface
- Introduction
- Topic with suitable heading
- Observations and findings of the visit
- Conclusions
- Photograph(if any)
- Appendix
- Teachers Observations
- Signatures of the teachers

ART INTEGRATED PROJECT:

Online Business (1.1.8)

Political Science(028)

<u>Art integrated project [1.1.1.1.8]:-</u> Study and use of various media and techniques to the extent of their availability.

1. Making of the Constitution.

Investigated project :-

1. Social Justice: Are ethics followed in Indian Politics

Part B (book)

Chapter 1st political theory do all question in your notebook.